



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling**

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

24 16 10 Ellsworth

Freshe #1-24

Start Date: 2006.08.13 @ 14:19:56

End Date: 2006.08.13 @ 20:15:39

Job Ticket #: 25307

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Murfin Drilling

Freshe #1-24

24 16 10 Ellsworth

DST # 1

Topeka, Oread

2006.08.13



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Freshe #1-24

24 16 10 Ellsworth

Job Ticket: 25307

DST#: 1

Test Start: 2006.08.13 @ 14:19:56

GENERAL INFORMATION:

Formation: **Topeka, Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:20:39

Time Test Ended: 20:15:39

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 24

Interval: **2804.00 ft (KB) To 2848.00 ft (KB) (TVD)**

Total Depth: 2848.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1860.00 ft (KB)

1855.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6769

Inside

Press@RunDepth: 38.27 psig @ 2808.01 ft (KB)

Start Date: 2006.08.13

End Date: 2006.08.13

Start Time: 14:19:56

End Time: 20:15:39

Capacity: 7000.00 psig

Last Calib.: 2006.08.13

Time On Btm: 2006.08.13 @ 16:20:24

Time Off Btm: 2006.08.13 @ 18:49:39

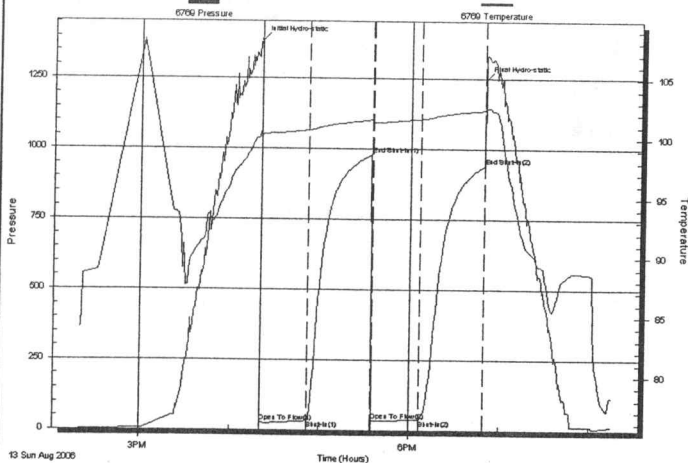
TEST COMMENT: IFP Sur blow died 10 min

ISI No blow back

FFP No blow

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1385.88	100.64	Initial Hydro-static
1	26.75	100.26	Open To Flow (1)
32	33.40	100.73	Shut-In (1)
74	979.82	101.60	End Shut-In (1)
75	34.26	101.40	Open To Flow (2)
107	38.27	101.67	Shut-In (2)
149	941.70	102.41	End Shut-In (2)
150	1248.46	102.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mw / SCUM Oil 100% M	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling

Freshe #1-24

250 N Water Ste 300
Wichita KS 67202

24 16 10 Ellsworth

Job Ticket: 25307

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.08.13 @ 14:19:56

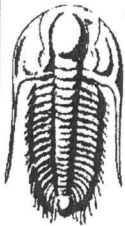
Tool Information

Drill Pipe:	Length: 2641.00 ft	Diameter: 3.80 inches	Volume: 37.05 bbl	Tool Weight:	2500.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb	
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose:	35000.00 lb	
			Total Volume:	37.81 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	28000.00 lb	
Depth to Top Packer:	2804.00 ft			Final	28000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	44.02 ft					
Tool Length:	64.02 ft					
Number of Packers:	2	Diameter:	6.75 inches			
Tool Comments:						

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			2789.00	
Hydraulic tool	5.00			2794.00	
Packer	5.00			2799.00	20.00 Bottom Of Top Packer
Packer	5.00			2804.00	
Stubb	1.00			2805.00	
Perforations	2.00			2807.00	
Change Over Sub	1.00			2808.00	
Recorder	0.01	6769	Inside	2808.01	
Blank Spacing	32.00			2840.01	
Change Over Sub	1.00			2841.01	
Perforations	4.00			2845.01	
Recorder	0.01	13548	Outside	2845.02	
Bullnose	3.00			2848.02	44.02 Bottom Packers & Anchor

Total Tool Length: 64.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling

Freshe #1-24

250 N Water Ste 300
Wichita KS 67202

24 16 10 Ellsworth

Job Ticket: 25307

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.08.13 @ 14:19:56

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 8.73 in³

Resistivity: ohm.m

Salinity: 4700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mw / SCUM Oil 100%M	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Murfin Drilling

Freshe #1-24

250 N Water Ste 300
Wichita KS 67202

24 16 10 Ellsworth

Job Ticket: 25307

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.08.13 @ 14:19:56

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00

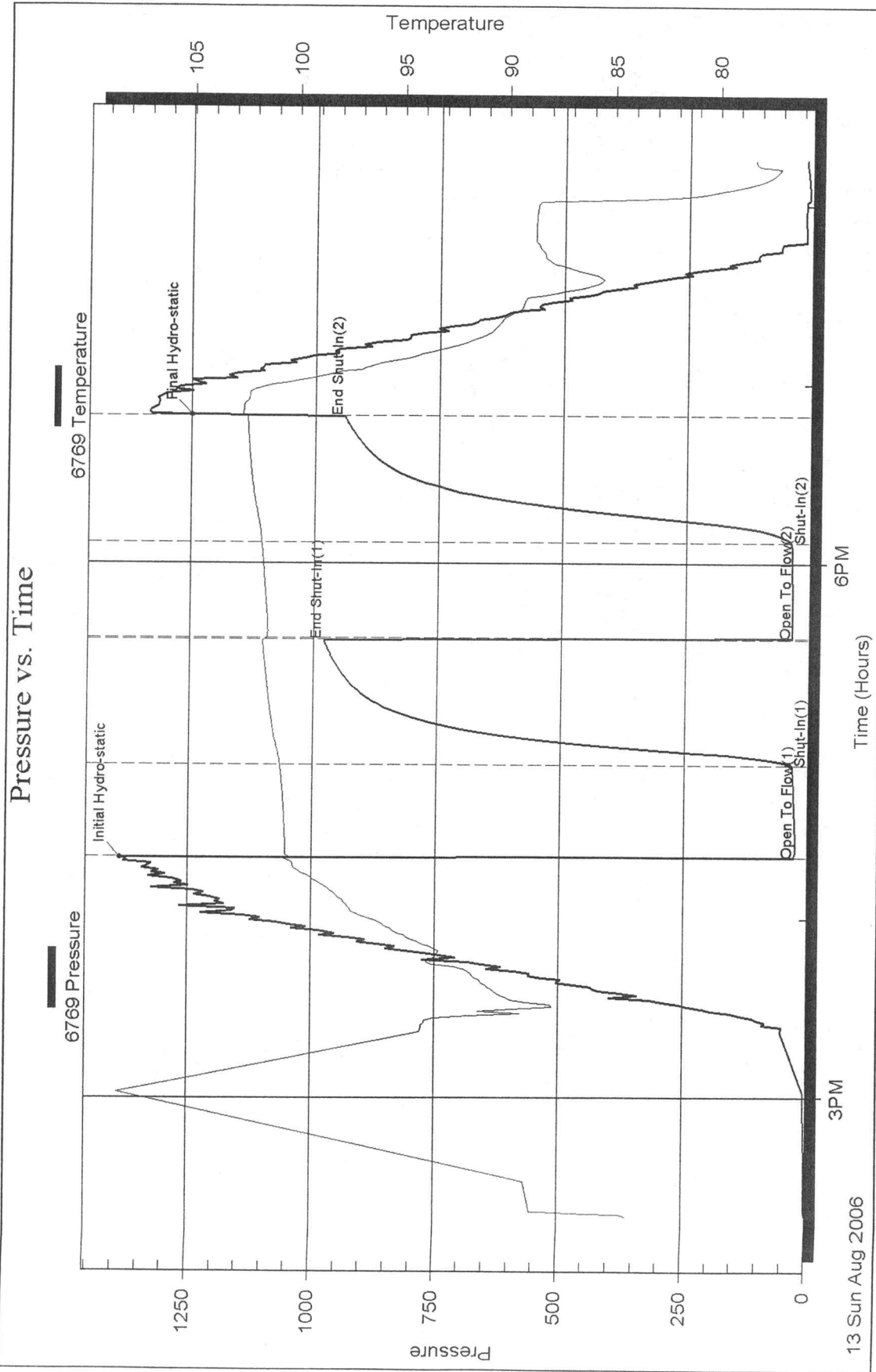
Serial #: 6769

Inside Murfin Drilling

24 16 10 Elsw orth

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling**

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

24 16 10 Ellsworth

Freshe #1-24

Start Date: 2006.08.14 @ 10:07:50

End Date: 2006.08.14 @ 17:31:33

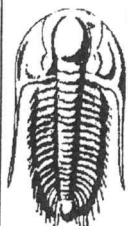
Job Ticket #: 25308

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Freshe #1-24

24 16 10 Ellsworth

Job Ticket: 25308

DST#: 2

Test Start: 2006.08.14 @ 10:07:50

GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:02:18

Time Test Ended: 17:31:33

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 24

Interval: **3077.00 ft (KB) To 3085.00 ft (KB) (TVD)**

Total Depth: 2848.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1860.00 ft (KB)

1855.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6769

Inside

Press@RunDepth: 172.11 psig @ 3078.01 ft (KB)

Start Date: 2006.08.14

End Date:

2006.08.14

Start Time: 10:07:50

End Time:

17:31:33

Capacity: 7000.00 psig

Last Calib.: 2006.08.14

Time On Btm: 2006.08.14 @ 12:01:03

Time Off Btm: 2006.08.14 @ 16:02:18

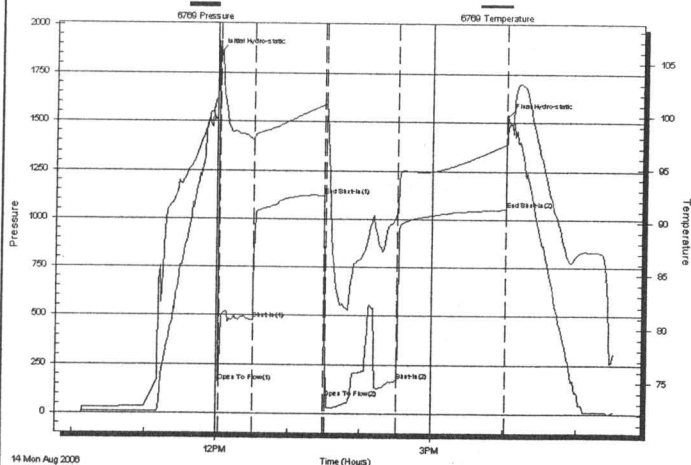
TEST COMMENT: IFP BOB 30 sec GTS 7 min

ISI No blow back

FFP BOB open

FSI No blow back 30 min weak sur blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1852.39	104.11	Initial Hydro-static
2	159.37	106.98	Open To Flow (1)
29	476.36	97.67	Shut-In (1)
89	1120.23	101.06	End Shut-In (1)
90	81.94	101.05	Open To Flow (2)
151	172.11	90.75	Shut-In (2)
240	1053.63	97.40	End Shut-In (2)
242	1532.31	98.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%M	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	14.00	10.63
Last Gas Rate	0.13	111.00	46.94
Max. Gas Rate	0.13	111.00	46.94



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Freshe #1-24

24 16 10 Ellsworth

Job Ticket: 25308

DST#: 2

Test Start: 2006.08.14 @ 10:07:50

Tool Information

Drill Pipe:	Length: 2923.00 ft	Diameter: 3.80 inches	Volume: 41.00 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	41.76 bbl	Tool Chased 1.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 28000.00 lb
Depth to Top Packer:	3077.00 ft			Final 29000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.02 ft			
Tool Length:	28.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3062.00	
Hydraulic tool	5.00			3067.00	
Packer	5.00			3072.00	20.00 Bottom Of Top Packer
Packer	5.00			3077.00	
Stubb	1.00			3078.00	
Recorder	0.01	6769	Inside	3078.01	
Perforations	4.00			3082.01	
Recorder	0.01	13548	Outside	3082.02	
Bullnose	3.00			3085.02	8.02 Bottom Packers & Anchor
Total Tool Length:	28.02				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling

Freshe #1-24

250 N Water Ste 300
Wichita KS 67202

24 16 10 Ellsworth

Job Ticket: 25308

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.08.14 @ 10:07:50

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.14 in³

Resistivity: ohm.m

Salinity: 4700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100%M	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GTS 7 min.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Murfin Drilling

Freshe #1-24

250 N Water Ste 300
Wichita KS 67202

24 16 10 Ellsworth

Job Ticket: 25308

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.08.14 @ 10:07:50

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	5	0.13	14.00	10.63
1	5	0.13	14.00	10.63
1	5	0.13	14.00	10.63
1	10	0.13	26.00	15.12
1	15	0.13	37.00	19.24
1	20	0.13	49.00	23.73
1	24	0.13	56.00	26.35
2	10	0.13	30.00	16.62
2	20	0.13	50.00	24.10
2	30	0.13	75.00	33.46
2	40	0.13	93.00	40.20
2	50	0.13	111.00	46.94

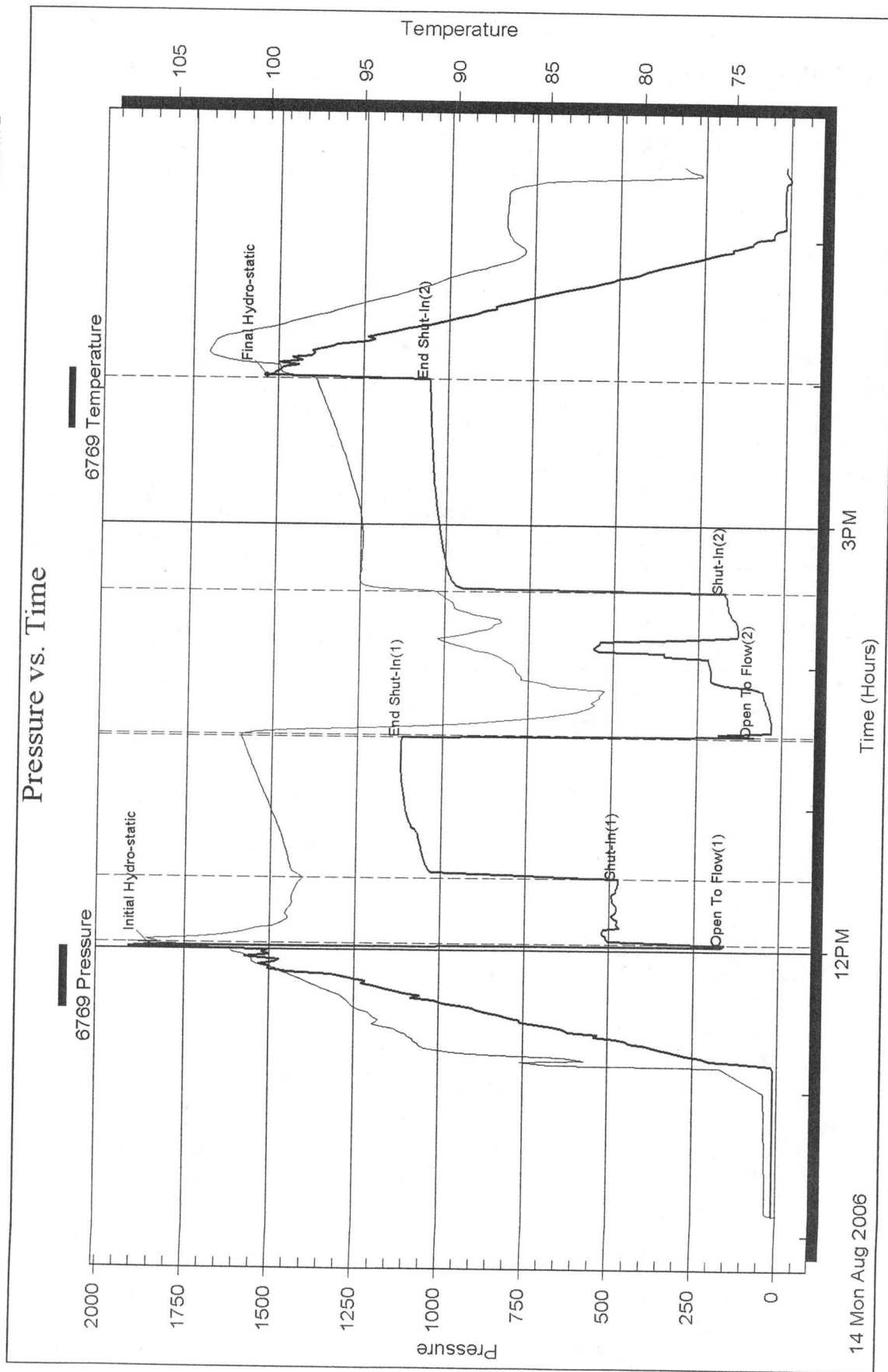
Serial #: 6769

Inside

Murfin Drilling

24 16 10 Elsw orth

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling**

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

24 16 10 Ellsworth

Freshe #1-24

Start Date: 2006.08.16 @ 01:22:16

End Date: 2006.08.16 @ 09:22:59

Job Ticket #: 25309 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Freshe #1-24

24 16 10 Ellsworth

Job Ticket: 25309

DST#: 3

Test Start: 2006.08.16 @ 01:22:16

GENERAL INFORMATION:

Formation: **LKC "G" (2)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:24:44

Time Test Ended: 09:22:59

Interval: **3075.00 ft (KB) To 3099.00 ft (KB) (TVD)**

Total Depth: 3462.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle

Tester: Brian Fairbank

Unit No: 24

Reference Elevations: 1860.00 ft (KB)

1855.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6769

Inside

Press@RunDepth: 110.20 psig @ 3076.01 ft (KB)

Start Date: 2006.08.16

End Date:

2006.08.16

Start Time: 01:22:16

End Time:

09:22:59

Capacity: 7000.00 psig

Last Calib.: 2006.08.16

Time On Btm: 2006.08.16 @ 03:24:14

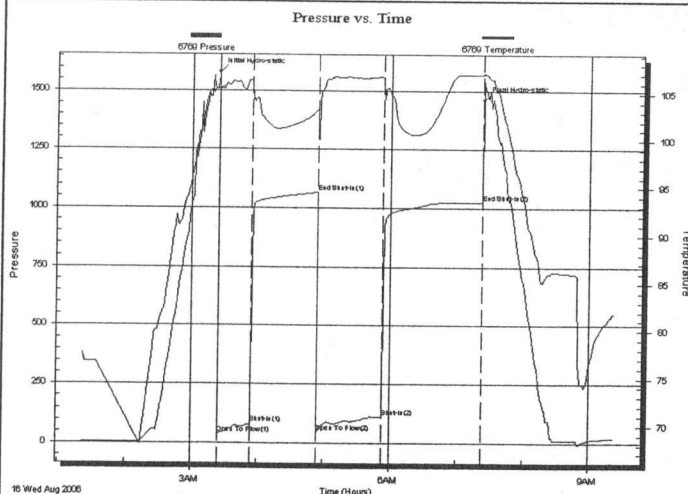
Time Off Btm: 2006.08.16 @ 07:23:29

TEST COMMENT: IFP BOB 30 sec

ISI No blow back 13 min 2 min sur blow back died

FFP BOB open

FSI No blow back 15 min weak sur blow back 20 min died



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1580.47	105.52	Initial Hydro-static
1	37.72	105.44	Open To Flow (1)
30	81.55	106.49	Shut-In (1)
90	1063.78	103.30	End Shut-In (1)
91	44.34	100.84	Open To Flow (2)
149	110.20	106.74	Shut-In (2)
239	1025.36	107.04	End Shut-In (2)
240	1464.37	107.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MW 5% M 95% W	1.12
65.00	WGM 40% G 55% M 5% W	0.91

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	12.00	9.88
Last Gas Rate	0.38	11.00	93.05
Max. Gas Rate	0.25	22.00	57.74



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Freshe #1-24

24 16 10 Ellsworth

Job Ticket: 25309

DST#: 3

Test Start: 2006.08.16 @ 01:22:16

Tool Information

Drill Pipe:	Length: 2927.00 ft	Diameter: 3.80 inches	Volume: 41.06 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume:	41.82 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3075.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	3100.02 ft			
Interval between Packers:	25.02 ft			
Tool Length:	412.03 ft			
Number of Packers:	3	Diameter:	6.75 inches	
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3060.00	
Hydraulic tool	5.00			3065.00	
Packer	5.00			3070.00	20.00 Bottom Of Top Packer
Packer	5.00			3075.00	
Stubb	1.00			3076.00	
Recorder	0.01	6769	Inside	3076.01	
Perforations	18.00			3094.01	
Recorder	0.01	13548	Outside	3094.02	
Blank Off Sub	1.00			3095.02	
Blank Spacing	5.00			3100.02	25.02 Tool Interval
Packer	5.00			3105.02	
Perforations	5.00			3110.02	
Change Over Sub	1.00			3111.02	
Blank Spacing	342.00			3453.02	
Change Over Sub	1.00			3454.02	
Perforations	10.00			3464.02	
Recorder	0.01	13760	Below	3464.03	
Bullnose	3.00			3467.03	367.01 Bottom Packers & Anchor

Total Tool Length: 412.03



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling

Freshe #1-24

250 N Water Ste 300
Wichita KS 67202

24 16 10 Ellsworth

Job Ticket: 25309

DST#: 3

ATTN: Rocky Milford

Test Start: 2006.08.16 @ 01:22:16

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 4900.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 50000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MW 5%M 95%W	1.122
65.00	WGM 40%G 55%M 5%W	0.912

Total Length: 245.00 ft

Total Volume: 2.034 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GTS 8 min.



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DRILL STEM TEST REPORT

GAS RATES

Murfin Drilling

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

Freshe #1-24

24 16 10 Ellsworth

Job Ticket: 25309

DST#: 3

Test Start: 2006.08.16 @ 01:22:16

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	5	0.13	12.00	9.88
1	5	0.13	12.00	9.88
1	5	0.13	12.00	9.88
1	10	0.38	15.00	107.70
1	15	0.38	12.00	96.71
2	10	0.38	20.00	126.02
2	20	0.25	15.00	46.64
2	30	0.38	12.00	96.71
2	40	0.25	17.00	49.81
2	50	0.25	22.00	57.74
2	60	0.38	11.00	93.05

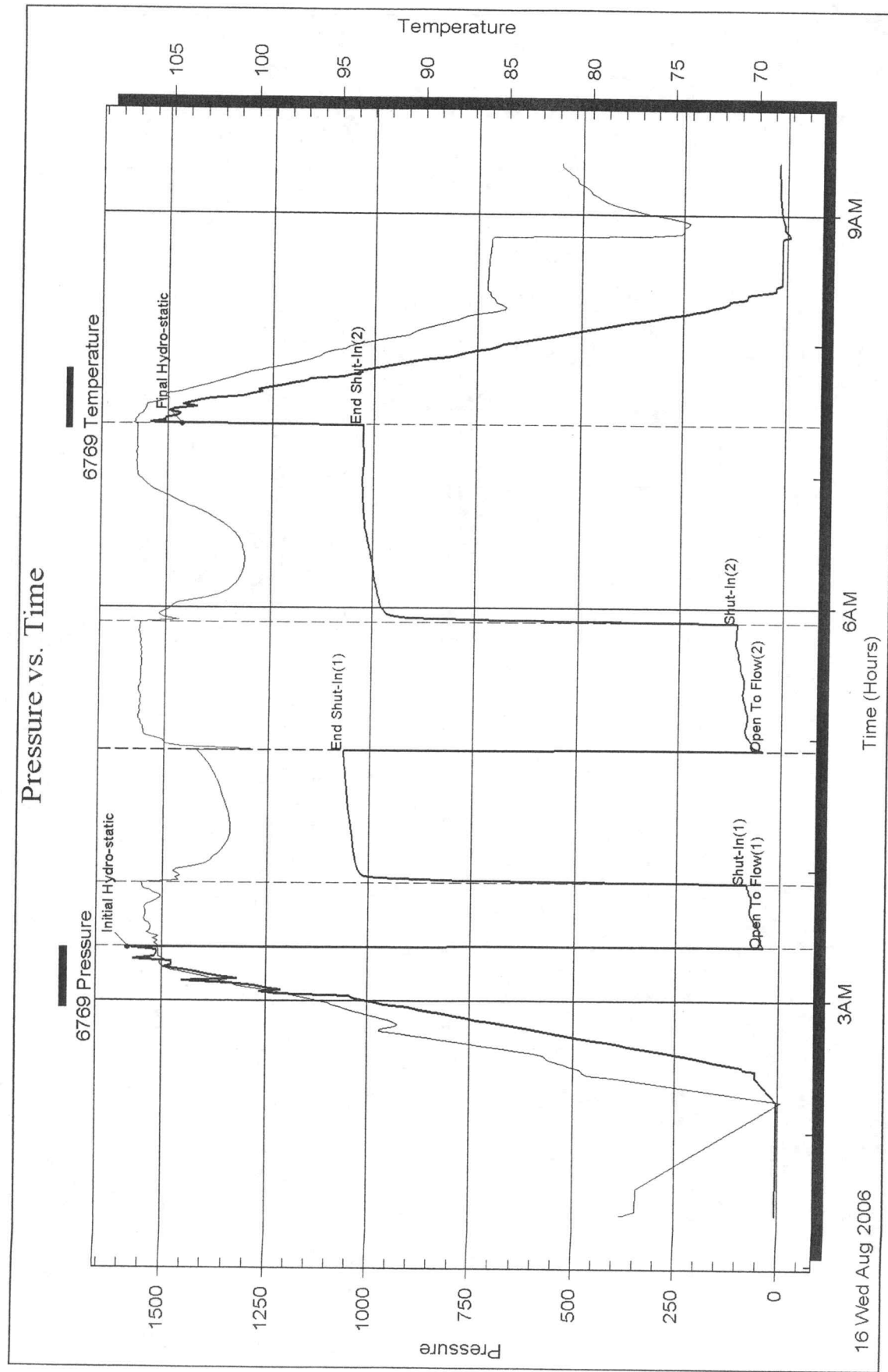
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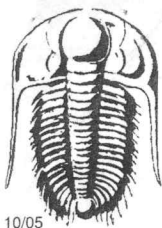
Inside

Murfin Drilling

24 16 10 Ells orth

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9140

25307

Test Ticket

Well Name & No. Frehse #1-24 Test No. 1 Date 8-13-06
 Company Murfin Drilling 250 N. Water Ste. 300 Wichita 67202 Zone Tested Topok - Oread
 Address _____ Elevation 1860 KB 1855 GL _____
 Co. Rep / Geo. Rocky Milford Rig Murfin 8
 Location: Sec. 24 Twp. 16^s Rge. 10^w Co. Ellsworth State KI
 Comment: _____ Release date / time: _____

Interval Tested 2804-2848 Initial Str Wt./Lbs. 28,000 Unseated Str Wt./Lbs. 28,000
 Anchor Length 44 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 35,000
 Top Packer Depth 2799 Tool Weight 2500
 Bottom Packer Depth 2804 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 2848 Wt. Pipe Run — Drill Collar Run 154
 Mud Wt. 9.1 LCM _____ Vis. 50 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 2641
 Blow Description IFP- sur blow died 10 min.
ISI- no blow back
FFP- no blow
FSI- no blow back

Recovery - Total Feet 10 GIP — Ft. in DC 10 Ft. in DP —
 Rec. 10 Feet of Mud/sand %gas Scum %oil _____ %water 100 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 102 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4700 ppm System

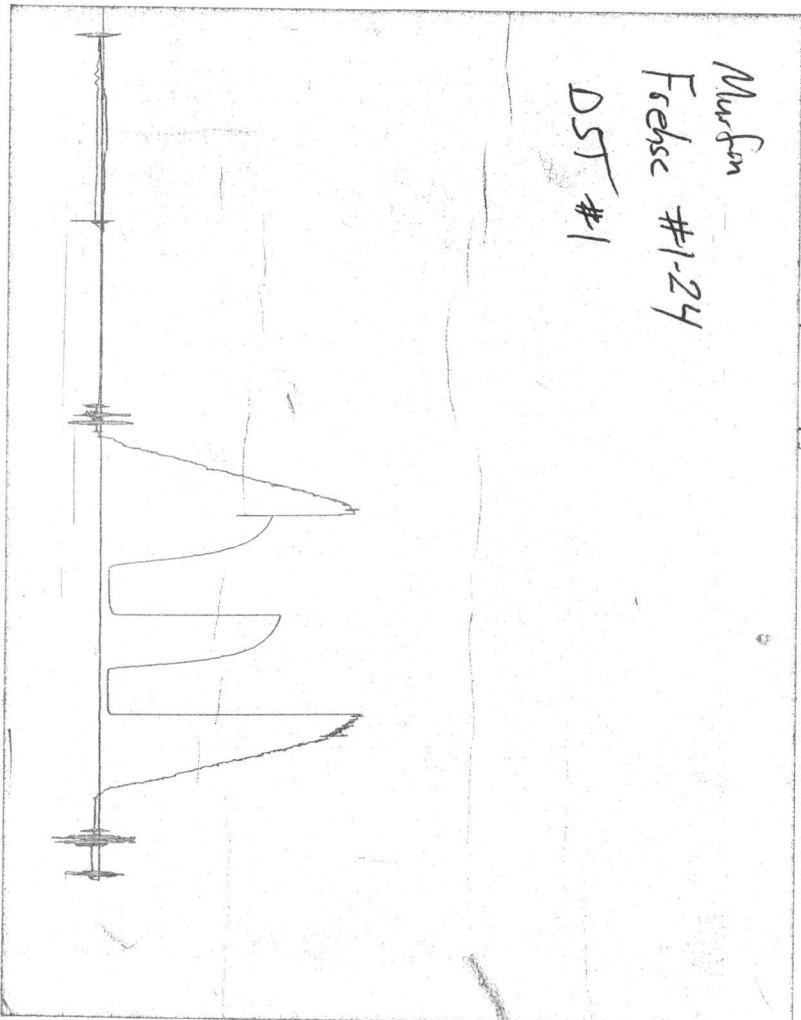
(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	6769	Test	✓	1000
(B) First Initial Flow Pressure	1325	PSI	(depth)	2808	Jars	_____	_____
(C) First Final Flow Pressure	27	PSI	Recorder No.	13548	Safety Jt.	_____	_____
(D) Initial Shut-In Pressure	33	PSI	(depth)	2845	Circ Sub	_____	_____
(E) Second Initial Flow Pressure	940	PSI	Recorder No.	_____	Sampler	_____	_____
(F) Second Final Flow Pressure	34	PSI	(depth)	_____	Straddle	_____	_____
(G) Final Shut-In Pressure	38	PSI	Initial Opening	30	Ext. Packer	_____	_____
(Q) Final Hydrostatic Mud	942	PSI	Initial Shut-In	45	Shale Packer	_____	_____
	1316	PSI	Final Flow	30	Ruined Packer	_____	170
			Final Shut-In	45	Mileage	✓ 136	136.00
			T-On Location	1243	Sub Total:	_____	1170.00
			T-Started	1419	Std. By	_____	_____
			T-Open	1619	Acc. Chg:	_____	_____
			T-Pulled	1850	Other:	_____	_____
			T-Out	2015	Total:	_____	_____

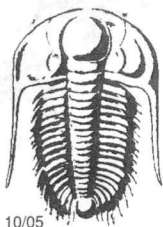
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Approved By Robert Milford
 Our Representative Brian Farbach (Phab)

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25308

10/05

Test Ticket

Well Name & No. <u>Frehse # 1-24</u>	Test No. <u>2</u>	Date <u>8-14-06</u>
Company <u>Murfin Drilling</u>	Zone Tested <u>LKC "B" "G"</u>	
Address <u>250 N. Water Ste. 300 Wichita, K 67202</u>	Elevation <u>1860</u>	KB <u>1855</u> GL
Co. Rep / Geo. <u>Rocky Milford</u>	Rig <u>Murfin 8</u>	
Location: Sec. <u>24</u> Twp. <u>16^s</u> Rge. <u>10^w</u>	Co. <u>Ellsworth</u>	State <u>K</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3077-3085</u>	Initial Str Wt./Lbs. <u>28,000</u>	Unseated Str Wt./Lbs. <u>29,000</u>
Anchor Length <u>8</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3072</u>	Tool Weight <u>2500</u>	
Bottom Packer Depth <u>3077</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3085</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>154</u>
Mud Wt. <u>9.2</u> LCM _____ Vis. <u>52</u> WL <u>9.2</u>	Drill Pipe Size <u>4 1/2 X 4</u>	Ft. Run <u>2923</u>

Blow Description IFP-BOB 30 sec. GTS 7 min
ISI- no blow back
FFP-BOB open
FSI- no blow back 30 min - weak sur blow

Recovery - Total Feet <u>1</u>	GIP <u>GTS 7 min</u>	Ft. in DC <u>1</u>	Ft. in DP <u>-</u>
Rec. <u>1</u>	Feet of <u>mud</u>	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
BHT <u>97</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW _____	@ _____	°F _____	Chlorides <u>4700</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1510</u> PSI	Alpine	Recorder No. <u>6769</u>	Test <u>✓</u> <u>1000</u>
(B) First Initial Flow Pressure	<u>159</u> PSI		(depth) <u>3078</u>	Jars _____
(C) First Final Flow Pressure	<u>476</u> PSI		Recorder No. <u>13548</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1120</u> PSI		(depth) <u>3082</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>82</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>172</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1054</u> PSI	Initial Opening <u>30</u>	Initial Shut-In <u>60</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1487</u> PSI	Final Flow <u>60</u>	Final Shut-In <u>90</u>	Shale Packer _____

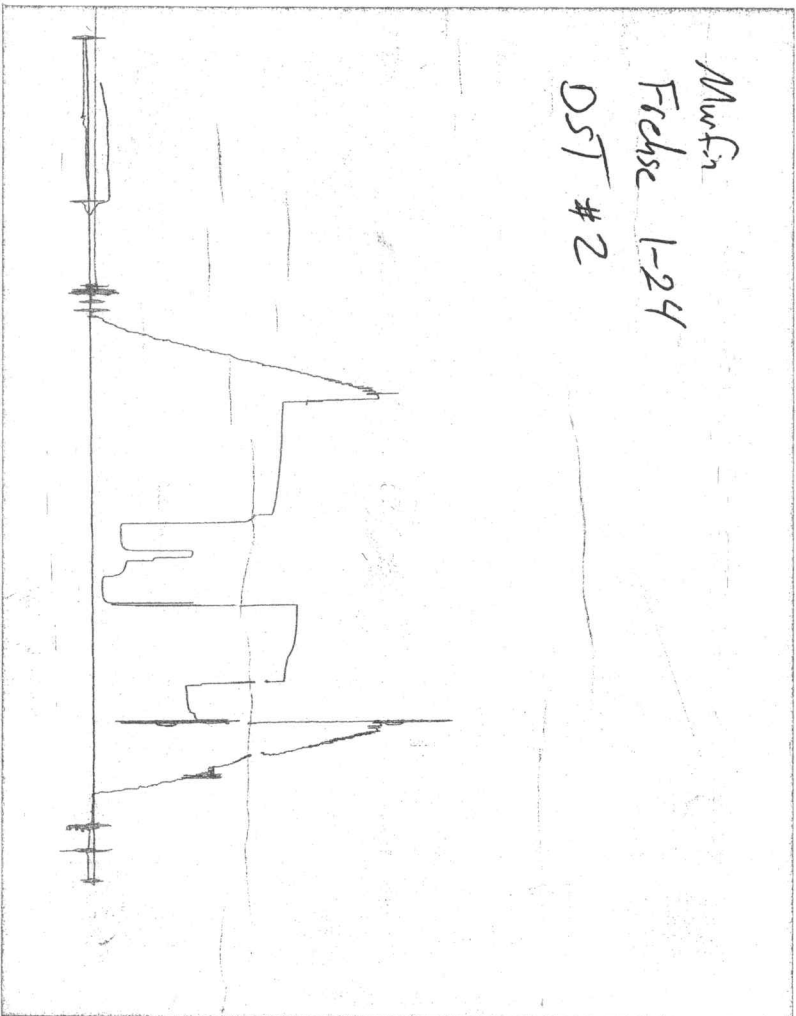
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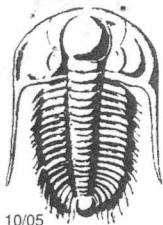
Approved By Rocky Milford
 Our Representative Brian Fairbanks (Thanks)

T-On Location <u>0930</u>	T-Started <u>1007</u>	T-Open <u>1201</u>	T-Pulled <u>1601</u>	T-Out <u>1731</u>
Mileage <u>✓ 22</u> <u>22.97</u>				
Sub Total: <u>91027.50</u>				
Std. By _____				
Acc. Chg: _____				
Other: _____				
Total: _____				

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.

Mufin
Freese 1-24
DST #2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25309

10/05

Test Ticket

Well Name & No. <u>Frehe #1-24</u>	Test No. <u>3</u>	Date <u>8-16-06</u>
Company <u>Murfin Drilling</u>	Zone Tested <u>LKC "G" (2)</u>	
Address <u>250 N. Water Ste 300 Wichita, KS 67202</u>	Elevation <u>1860</u>	KB <u>1855</u> GL
Co. Rep / Geo. <u>Rocky Milford</u>	Rig <u>Murfin 8</u>	
Location: Sec. <u>24</u> Twp. <u>16^s</u> Rge. <u>10^w</u>	Co. <u>Ellsworth</u>	State <u>K</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3075 - 3099</u>	Initial Str Wt./Lbs. <u>32,000</u>	Unseated Str Wt./Lbs. <u>32,000</u>
Anchor Length <u>24</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>40,000</u>
Top Packer Depth <u>3070</u>	Tool Weight <u>2500</u>	
Bottom Packer Depth <u>3075</u>	Hole Size 7 7/8" <u>-</u>	Rubber Size 6 3/4" <u>-</u>
Total Depth <u>3462</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>154</u>
Mud Wt. <u>9.4</u> LCM <u>-</u> Vis. <u>49</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 x 4</u>	Ft. Run <u>2927</u>

Blow Description IFP- BOB 30 sec GTS 8 min
ISI- no blow back 13 min - 2 min sur blow back died
FFP- BOB open
FSI- no blow back 15 min - weak sur blow back 20 min died

Recovery - Total Feet <u>245</u>	GIP <u>GTS</u>	Ft. in DC <u>154</u>	Ft. in DP <u>86</u>
Rec. <u>65</u>	Feet of <u>WGM</u>	40% gas	%oil <u>5</u> %water <u>55</u> %mud
Rec. <u>180</u>	Feet of <u>MW</u>	%gas	%oil <u>95</u> %water <u>5</u> %mud
Rec. _____	Feet of _____	%gas	%oil _____ %water _____ %mud
Rec. _____	Feet of _____	%gas	%oil _____ %water _____ %mud
Rec. _____	Feet of _____	%gas	%oil _____ %water _____ %mud

BHT 107 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 165 @ 72 °F Chlorides _____ ppm Recovery 50,000 Chlorides 4900 ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1515</u> PSI	Alpine	Recorder No. <u>6769</u>	Test ☒ <u>1000</u>
(B) First Initial Flow Pressure	<u>38</u> PSI		(depth) <u>3076</u>	Jars _____
(C) First Final Flow Pressure	<u>82</u> PSI		Recorder No. <u>13548</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1064</u> PSI		(depth) <u>3094</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>44</u> PSI		Recorder No. <u>13760</u>	Sampler _____
(F) Second Final Flow Pressure	<u>110</u> PSI		(depth) <u>3459</u>	Straddle ☒ <u>250</u>
(G) Final Shut-In Pressure	<u>1025</u> PSI	Initial Opening <u>30</u>		Ext. Packer <u>150</u>
(Q) Final Hydrostatic Mud	<u>1505</u> PSI	Initial Shut-In <u>60</u>		Shale Packer _____

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Approved By Rocky Milford
 Our Representative Brian Fairbank (Thak)

Final Flow <u>60</u>	Ruined Packer <u>27.37</u>
Final Shut-In <u>90</u>	Mileage ☒ <u>22</u> <u>22A</u>
T-On Location <u>0010</u>	Sub Total: <u>1427.50</u>
T-Started <u>0122</u>	Std. By <u>1.25</u> <u>62.50</u>
T-Open <u>0324</u>	Acc. Chg: _____
T-Pulled <u>0724</u>	Other: _____
T-Out <u>0923</u>	Total: <u>\$1490</u>

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

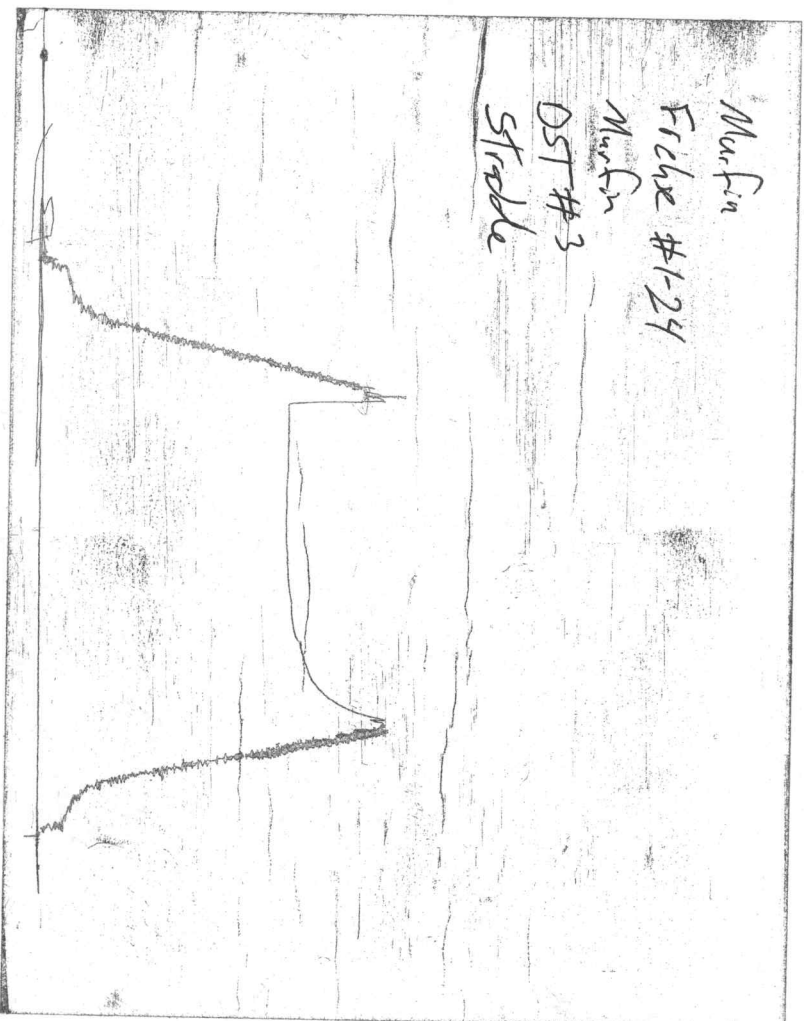


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

Murfin
Fische #1-24
DSF #3

